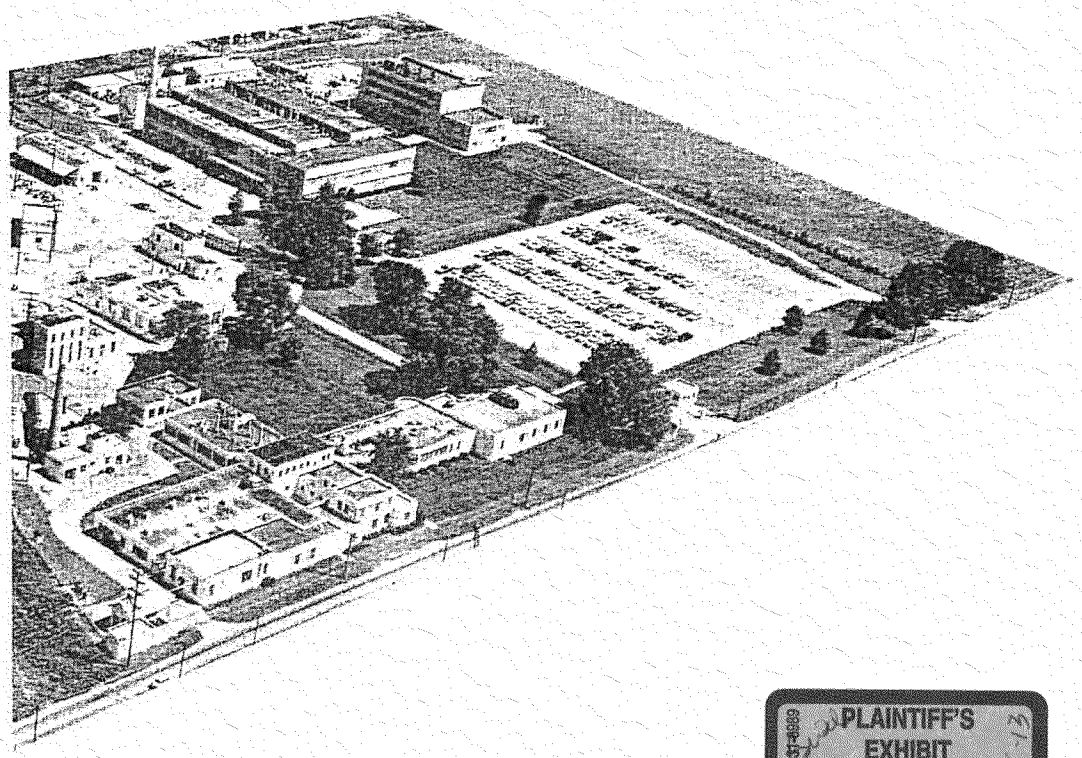
CAPABILITY

- EXPERIENCE
- FACILITIES
- PERSONNEL



MONSANTO RESEARCH CORPORATION / Monsanto

MONSANTO RESEARCH CORPORATION
DAYTON LABORATORY
DAYTON, OHIO 45407

CAPABILITY

- Experience
- Facilities
- Personnel

MONSANTO RESEARCH CORPORATION
Dayton Laboratory, Dayton Ohio 45407

MR. ALAN L. WURSTNER

Mr. Wurstner has had 19 years of experience in research with general optical microscopy, scanning electron microscopy, microtomy and micrurgy, polymer physics, physical chemistry, and polymer compounding and applications.

Major researches have included: morphology and phase studies of polycaprolactam; morphology of isotactic polystyrene; phase diagrams of binary organic systems via microscopy; the factors affecting the receptivity of polymers to high filler loading; sintering rate studies of finely divided organic solids via micrurgical techniques; particle size and distribution of fine powders; morphology of composite materials via scanning electron and optical microscopy; microscopic identification of aircraft fuel contaminants; compatibility of blends of jet fuel and urethane rubber via microscopical techniques; production and measurements of micro-openings for flow measurements; destaticization of textile fibers; design and construction of apparatus and instrumentation for the determination of the molecular weight of high polymers via freezing point depression and boiling point elevation; general physical testing of polymers; compounding, evaluation, and testing of solvent resistant rubbers; and processing and polyblending of polymers.

Mr. Wurstner is a co-developer of the Monsanto MICRON ORIFICE which won the Industrial Research IR-100 1969 competition, and the 1969 "Seven Engineering Wonders of Ohio" award by the Ohio Society of Professional Engineers.